

WHAT IS CLAIMED IS:

1. Apparatus for supplying water to a plurality of individually controllable water injectors in a fuel cell control system, characterized by pump means adapted to provide water under pressure to said plurality of water injectors, each water injector having associated therewith a respective controllable valve to control the amount of water supplied to the water injector, in dependence upon a control signal supplied to said valve.

2. Apparatus according to claim 1, characterized in that the pump means provides a substantially constant flow rate and pressure of water to a water flow passage to which each of the water injectors is connected.

3. Apparatus according to claim 2, characterized in that the water flow passage includes a pressure regulator to control the pressure in the passage and to recirculate excess water flow to the pump means.

4. Apparatus according to any one of claims 1, characterized in that the control valves each comprise a solenoid operable valve to which a control signal in the form of a pulse modulated signal is supplied to determine the opening period of the valve to meter the flow rate of water to the associated water injector.

5. Apparatus according to any one of claims 2, characterized in that the control valves each comprise a solenoid operable valve to which a control signal in the form of a pulse modulated signal is supplied to determine the opening period of the valve to meter the flow rate of water to the associated water injector.

6. Apparatus according to any one of claims 3, characterized in that the control valves each comprise a solenoid operable valve to which a control signal in the form of a pulse modulated signal is supplied to determine the opening period of the valve to meter the flow rate of water to the associated water injector.

7. Apparatus according to claim 4, characterized in that the control signal is a pulse width modulated (PWM) signal.

8. Apparatus according to claim 5, characterized in that the control signal is a pulse width modulated (PWM) signal.

9. Apparatus according to claim 6, characterized in that the control signal is a pulse width modulated (PWM) signal.

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